

equipped with a variety of computers, test equipment and production equipment.

Keywords: 5 = Communications; 7 = Electronics; 15 = Radar; 17 = Software Services; 18 = Space Systems; 19 = Testing/Test Equipment; Ground Stations = 7, 18; Navigation = 7, 18; Radio Communications = 5, 18; HF Communications = 5; Data Acquisition = 18; Data Processing = 18; Communications = 18; Test Equipment = 19; Test Instrumentation = 19; Signal Processing = 15; Satellite Communications = 5, 18; Adaptive Receivers = 5; Modems = 5, 7, 17, 18; Digital Modems = 5; Signal Identification Systems = 5; Electronic Warfare = 5, 7; Telecommunications = 5; Terminals = 5, 7, 18; Synthesizers = 5; HF Modems = 5, 7, 17, 18; HF Adaptive Antenna Arrays = 5, 7; Spread Spectrum Modems = 5, 7; Automated Monitoring & Control Systems = 5, 18; Digital Communications = 18; SCPC = 5, 18; DAMA = 5, 18; TDMA = 5, 18; SSMA = 5, 18; Voice Privacy Communications = 5; Jamming = 5; Repair & Overhaul = 7; Build To Print = 7; System Design = 5, 18; Spectrum Analysis = 18; UHF Telemetry Transmitters = 5.

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MONITEQ Ltd

Code: MON

Address: 630 Rivermede Road
Concord, Ontario, Canada L4K 2H7

Contact: Dr. T V Ward, Vice President, Operations -
(416) 669-5334

History: Moniteq Ltd is a fast growing, innovative high technology company whose instruments and services encompass the field of environmental monitoring and remote sensing. Over a six year period, Moniteq has grown to an organization of over 45 people consisting of highly skilled scientists and engineers with expertise in optical physics, electronics and data processing, plus a full support staff. Moniteq is structured into three complementary divisions - Instrumentation, Applications and Manufacturing.

Capability: Moniteq's Instrumentation Division is responsible for the development of electro-optical instruments from initial concept to final commercial design. Applications of these instruments involve the many aspects of monitoring trace environmental gases, industrial process gases and remote sensing of the earth's resources.

The Applications Division offers services for the processing and interpretation of remotely sensed data from aircraft and satellites.

The Manufacturing Division manufactures and markets commercial instruments which have been developed by Moniteq. This product line is continually expanding with new developments in air pollutant monitoring, remote sensing, and industrial process measurement. Moniteq's products include:

- Air Quality Monitors
- Visible and Infrared Remote Sensors
- Visible and Infrared Spectroradiometers
- Water Quality & Depth Mapping
- Environmental Data Processing

Moniteq also provides consulting services for the implementation of remote sensing programs and air quality network management programs.

Average Work Force: PhDs - 6
Engineers - 10
Others - 20

Gross Sales: 1980 - \$1.1M
1981 - \$1.4M
1982 - \$1.7M
1983 - \$2.3M (Projected)

Plant Size: 8,100 sq ft

Equipment: Moniteq's equipment includes - Instrument research and development laboratory including Moniteq developed vacuum system; drafting office; machine shop including lathes and milling machines; optical clean room; computer room with a PDP 11/24; data reduction room; and custom manufacturing.

Experience: Moniteq's present and past customers include:

Government:

Canada Center for Remote Sensing, Sensor Development - Ottawa, Ontario
Atmospheric Environment Service - Downsview, Ontario
Environmental Protection Service - Ottawa, Ontario
Environmental Protection Service - Halifax, Nova Scotia
Canada Center for Inland Waters - Burlington, Ontario
Air Resources Branch, MOE - Toronto, Ontario
Department of Fisheries and Environment, DPAT Program - Ottawa, Ontario
Defense Research Establishment - Ottawa, Ontario
National Research Council - Ottawa, Ontario
Laboratory Services Branch, MOE - Rexdale, Ontario

Industry:

Environmental Data Corp - Monrovia, CA
The Steel Co of Canada - Hamilton, Ontario
Ontario Hydro - Toronto, Ontario
Texaco Canada Inc - Nanticoke, Ontario
Envirocon Ltd - Toronto, Ontario
Rayrock Mines Ltd - Toronto, Ontario
Alberta Research Council - Edmonton, Alberta
Heath Survey Consultants (Canada) Ltd - London, Ontario
Environment Ecology Inc - Buffalo, NY
Shell Canada Ltd - Sarnia, Ontario
Polysar Ltd - Sarnia, Ontario
Alcan Ltd - Arvida, Ontario
Willco - London, Ontario
Canadian Electrical Association - Montreal, Quebec

In addition, Moniteq personnel have carried out development programs for many private and government organizations in Canada, the US and Europe. A partial list includes:

Communications Research Center - Ottawa, Ontario
Bedford Institute of Oceanography - Bedford, Nova Scotia
Defense Research Establishment - Ottawa, Ontario
Forest Fire Research Institute - Ottawa, Ontario
NASA - Langley, VA
NASA - Cleveland, OH
NASA - Goddard Space Flight Center, MD
Environmental Protection Agency - North Carolina
Environmental Protection Agency - Las Vegas, Nevada
Texaco Exploration Ltd - Calgary, Alberta
Noranda Ltd - Toronto, Ontario
Central Electricity Generating Board - England
TRW Sensor Development - CA